

What Is Claimed Is:

1. A first sensor comprising a transmitter module (10) for transferring data via a line (L), the first sensor (S1, S2 to Sn) receiving power via the line (L), wherein the first sensor (S1), at a point in time of receiving a first power level (U2), transmits the data for a first time interval (Ts1), and a second sensor (S2) which is connected to the line (L) in parallel to the first sensor (S1) transmits its data after the first time interval (Ts1) for a second time interval (Ts2), the first and the second sensor (S1, S2) each having a timing sequence control system which is triggered by the point in time and controls the subsequent transmission of the first and second sensor (S1, S2).
2. The sensor as recited in Claim 1, wherein the first and second sensor (S1, S2) are always powered at at least a second power level (U1), the second power level (U1) being lower than the first power level (U2).
3. The sensor as recited in Claim 1 or 2, wherein the first and the second sensor (S1, S2) are configured in such a way that the first and the second sensor (S1, S2) detect at least the first power level (U2) via a voltage change.
4. The sensor as recited in one of the preceding claims, wherein the first and the second sensor (S1, S2) are connected to a control unit (SG) via the line, data transmission only being provided from the sensors (S1, Sn) to the control unit (SG).